

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number  
**WO 2005/005557 A1**

- (51) International Patent Classification<sup>7</sup>: **C09D 5/04**,  
C08G 18/28, C07C 273/18
- (21) International Application Number:  
PCT/EP2004/007597
- (22) International Filing Date: 8 July 2004 (08.07.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
03077152.1 8 July 2003 (08.07.2003) EP  
60/530,240 18 December 2003 (18.12.2003) US
- (71) Applicant (for all designated States except US): **AKZO NOBEL N.V.** [NL/NL]; Velperweg 76, NL-6824 BM Arnhem (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BRINKHUIS**, Richard, Hendrikus, Gerrit [NL/NL]; Groot Wezenland 33, NL-8011 JX Zwolle (NL). **VENDERBOSCH**, Rudolf, Anthonius, Maria [NL/NL]; Klavecimbelstraat 6, NL-6922 JL Duiven (NL).
- (74) Agent: **SCHALKWIJK**, Pieter, Cornelis; Akzo Nobel N.V., Intellectual Property Department (Dept. AIP), P.O. Box 9300, NL-6800 SB Arnhem (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CARBON-SUBSTITUTED METHYL AMINE DERIVATIVES AND THEIR USE AS A RHEOLOGY CONTROL AGENT

(57) Abstract: The invention relates to the use as sagging controlling agent (SCA) in coating compositions of rheology control agents obtainable by reacting one or more polyisocyanates with one or more optically active amines or by reacting one or more polyamines with one or more optically active isocyanates. The invention also relates to rheology control agents obtainable as described above using specific polyisocyanates or polyamines. In addition the invention relates to the use of these rheology control agents in various applications.

WO 2005/005557 A1